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FAX TRANSMISSION COVER SHEET**May 30, 2002**

To: Telephone:

Fax Number:

Examiner Richard Hutson, Ph.D.
 USPTO - Art Unit No. 1652

703-308-0066

703-746-5329

From: Lisa A. Haile, J.D., Ph.D.  Client-Matter Number: 104703-159194
 858-677-1456

Re: United States Patent Application No.: 09/202,681
 Entitled: THERMOSTABLE PHOSPHATASES
 Filed: December 23, 1999
 Inventors: Mathur, et al.
 Our Ref.: DIVER1230-1 (09010/045001)

Pages: - 18 - (including this form) Originals: will be mailed will not be mailed

If there is a problem with this transmission, please call: 858-638-6633/Cecilia
 Fax Operator/Ext.

Message:

Examiner Richard Hutson, Ph.D.,

Pursuant to our telephone conversation of this morning, please find a Second Supplemental Response to the above-identified application.

**PLEASE CONFIRM RECEIPT OF THIS FACSIMILE BY CALLING:
 CECILIA TOBIN @ (858) 638-6633**

Thank you for your cooperation.

CONFIDENTIALITY NOTICE

This communication is ONLY for the person named above. Unless otherwise indicated, it contains information that is confidential, privileged or exempt from disclosure under applicable law. If you are not the person named above, or responsible for delivering it to that person, be aware that disclosure, copying, distribution or use of this communication is strictly PROHIBITED. If you have received it in error, or are uncertain as to its proper handling, please immediately notify us by collect telephone and mail the original to us at the above address. Thank you.

(Form Rev. 6/5/00)

Gray Cary GT\6286460.1
 104703-159194

PATENT
ATTORNEY DOCKET NO. DIVER1230-1
(09010/045001)

RESPONSE UNDER 37 C.F.R. § 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 1652

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mathur, et al.
Serial No.: 09/202,681
Filed: December 23, 1999
Title: THERMOSTABLE PHOSPHATASES

Art Unit: 1652
Examiner: R. Hutson

BOX AF
Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL SHEET

Sir:

Transmitted herewith in further response to the Final Office Action mailed August 14, 2001 and the Advisory Actions mailed January 16, 2002 and April 9, 2002, for the above-identified application, please find:

1. Second Supplemental Response; including Exhibit A (13 pages).

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below:

Cecilia Tobin

(Name of person transmitting paper)

Cecilia Tobin

(Signature)

May 30, 2002

(Date)

Gray Cary\GT\6296402.1
104703-159194

PATENT
ATTORNEY DOCKET NO. DIVER1230-1
(09010/045001)

Applicants: Mathur, et al.
 Serial No.: 09/202,681
 Filed: December 23, 1999

The Fee for this Response is calculated as follows:

For	Claims Remaining After Amendment	Highest Number Previously Paid For	Extra Claims	Large Entity Rate	Small Entity Rate	Calculations
Total Claims	12	20	0	x \$18	x \$09	\$0.00
Independent Claims	4	4	0	x \$80	x \$40	\$0.00
Multiple Claims				\$270	\$135	\$0.00
Basic Filing Fee				\$710	\$355	\$0.00
					TOTAL FEE	\$0.00

The Commissioner was already authorized to charge the fee of \$665.00 for purchase of Four (4) Months of additional time in our May 24, 2002 filing which was mailed in error (the total fee due in our May 24, 2002 filing was \$655.00 (\$720.00 for Four (4) Months Extension of Time fee minus \$55.00 equals \$665.00)). Please also note that pursuant to a telephone conversation with the Examiner, in response to our previous supplemental response filed via facsimile on December 20, 2001, a fee of \$55.00 for One (1) Month Extension of Time fee was charged to our Deposit Account No. 50-1355. Therefore, there is NO FEE due for the filing of this Second Supplemental Response; however, the Commissioner may charge for any other fees associated with the filing submitted herewith, or credit any overpayment, to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Lisa A. Haile, J.D., Ph.D.
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